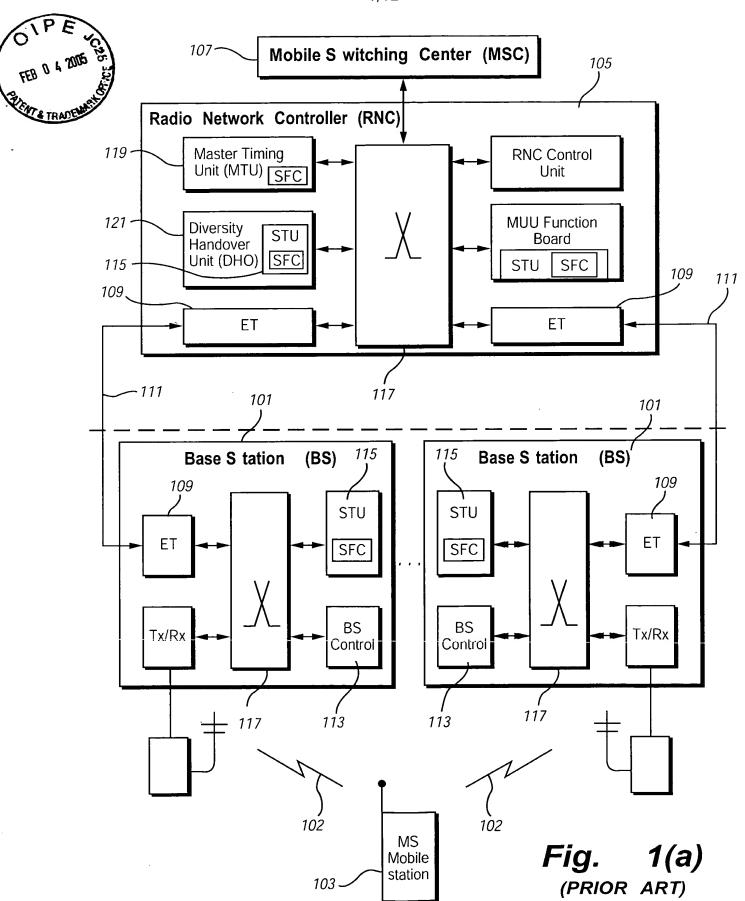
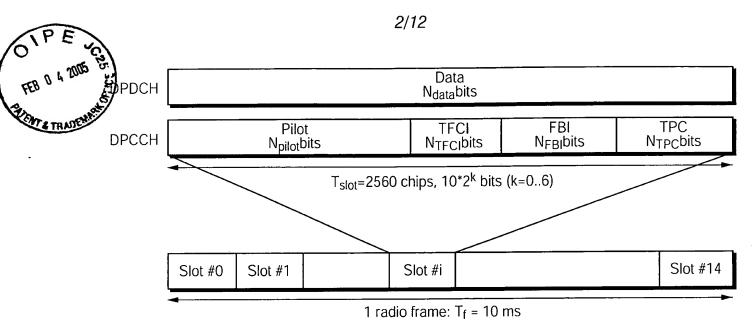
2.

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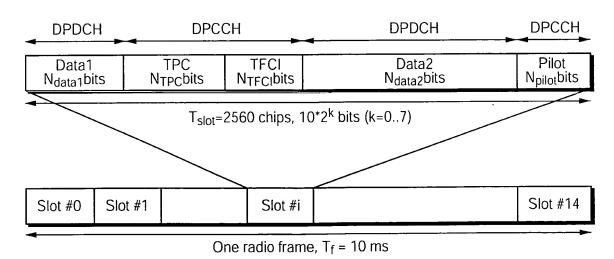


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Frame structure for uplink DPDCH/DPCCH

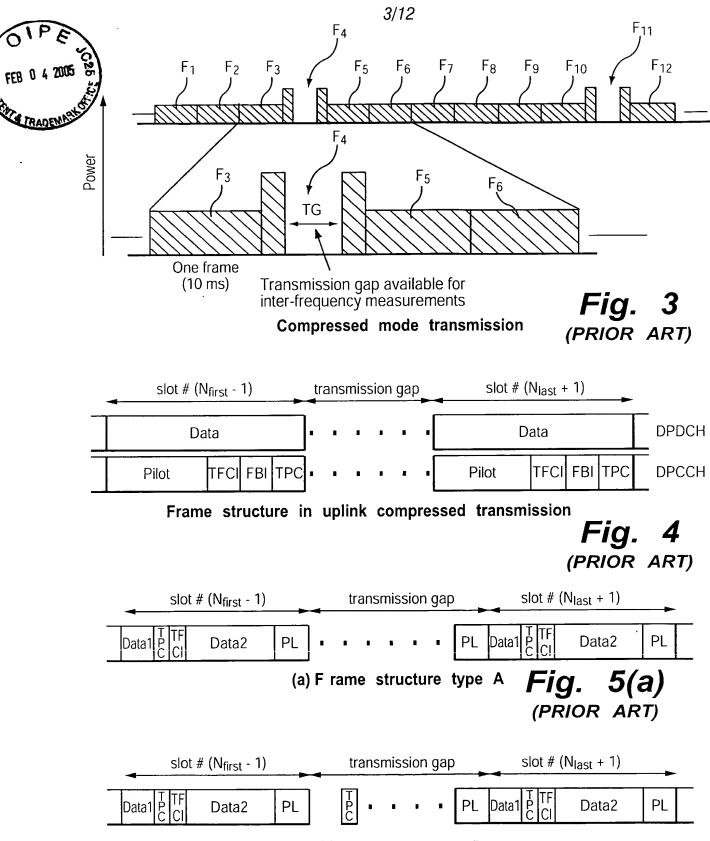
Fig. 1(b)



Frame structure for downlink DPCH

Fig. 2
(PRIOR ART)

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(d) Frame structure type B

Frame structure types in downlink compressed transmission

Fig. 5(b) (PRIOR ART)

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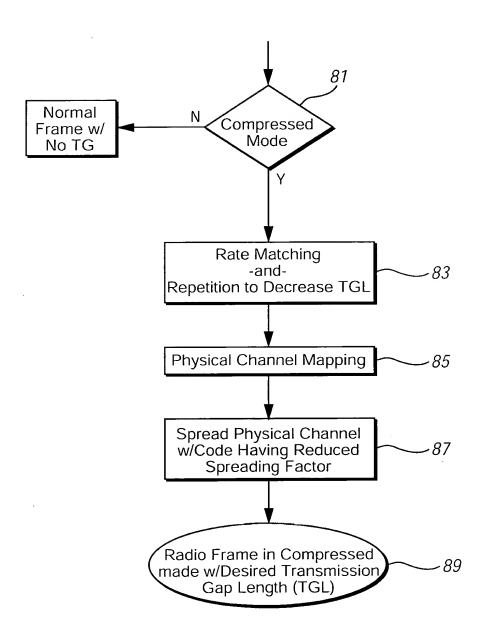


Fig. 6



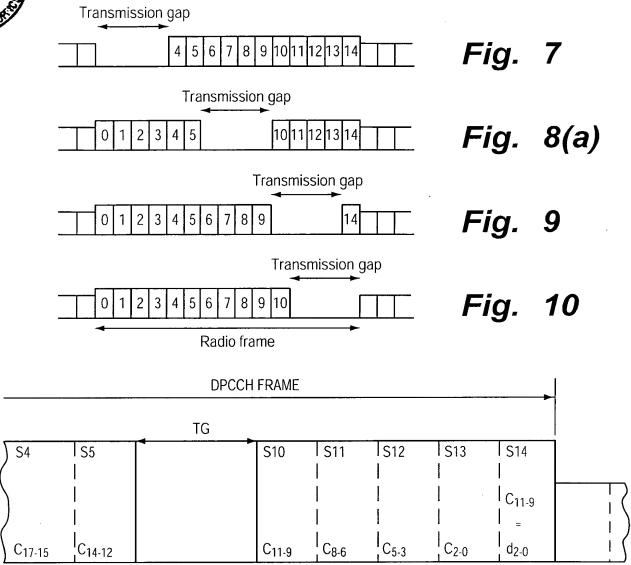


Fig. 8(b)

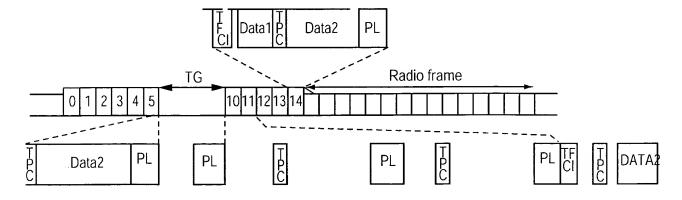


Fig. 11





Fig. 12

Table 2: DPCCH fields

Trans-	mitted	slots per	radio	frame	15	10-14	8-9	8-15	15	10-14	8-9	8-15	8-15	15	10-14	8-9
NFB					0	0	0	0	-	-	-	-	2	2	2	2
N	ರ				2	က	4	0	2	က	4	0	0	2	က	4
N _{TP}	ပ				2	2	2	2	0	2	2	2	2	-	-	
N	5				9	ည	4	ω	ഹ	4	က	7	9	2	4	3
Bits/	Slot				10	10	10	10	10	10	9	10	10	10	10	10
Bits/	Frame				150	150	150	150	150	150	150	150	150	150	150	150
SF	***************************************				256	256	256	256	256	256	256	256	256	256	256	256
Channel	Symbol	Rate (ksps)			15	15	15	15	15	15	15	15	15	15	15	15
Channel	Bit Rate	(kpbs)			15	15	15	15	15	15	15	15	15	15	15	15
Slot	Format	=			0	o V	0B	-	2	2A	2B	က	4	5	5A	5B





Table 3: Parameters for different TGLs in compressed mode

																				Fi
Idle frame	Combining		(S)	(D) = (1,2),(2,1)					(S)	(D) = (1,3), (2,2), (3,1)		(S)	(D)=(1,6),(2,5),(3,4),(4,3),(5,	2),(6,1)		(D)=(3,7),(4,6),(5,5),(6,4),(7,	3)		(D) =(7,7)	
Transmission time	Reduction method		Puncturing	Spreading factor	reduction by 2	Higher layer	scheduling													
alpi	length[ms]		1.73-1.99					1.60-1.86	2.40-2.66		2.27-2.53	4.40-4.66			4.27-4.53	6.40-6.66		6.27-6.53	9.07-9.33	8.93-9.19
Spreading	Factor	-	512 - 4					256- 4	512 - 4	•	256- 4	512 -4			256- 4	512 - 4		256- 4	512 - 4	256- 4
Type Adjustable	/fixed gap	position	Adjustable	ŏ	Fixed											:			Fixed	
Туре			A					В	A		æ	Þ			В	Ø		В	A	В
TGL			က						4			7				10			4-	



Table 3: Parameters for different TGLs in compressed mode

						<u></u>									_					Fi
Idle frame	Combining		(S)	(D) = (1,2),(2,1)					(S)	(D) =(1,3),(2,2),(3,1)		(S)	(D)=(1,6),(2,5),(3,4),(4,3),(5,	2),(6,1)		(D)=(3,7),(4,6),(5,5),(6,4),(7,	3)		(D) =(7,7)	
Transmission time	Reduction method		Puncturing	Spreading factor	reduction by 2	Higher layer	scheduling													
ldle	length[ms]		1.73-1.99					1.60-1.86	2.40-2.66		2.27-2.53	4.40-4.66			4.27-4.53	6.40-6.66		6.27-6.53	9.07-9.33	8.93-9.19
Spreading	Factor		512 – 4					256- 4	512 - 4		256- 4	512 -4			256- 4	512 - 4		256- 4	512 - 4	256- 4
Adjustable	/fixed gap	position	Adjustable	ŏ	Fixed														Fixed	
Type			A					В	A		В	A			В	A		В	А	8
TGL			ε						4			7				10			14	

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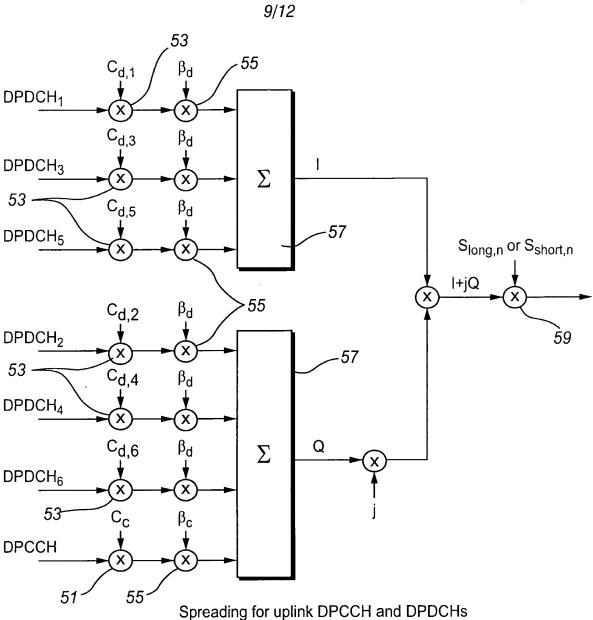


Fig. 14

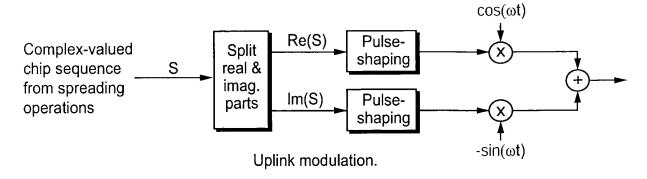
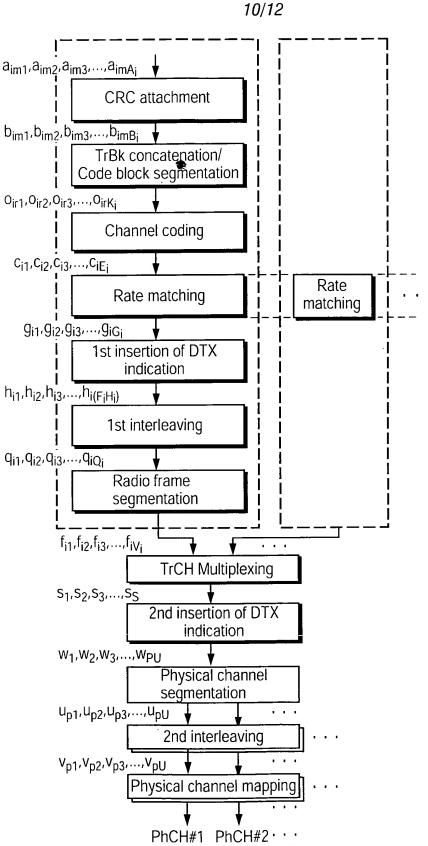


Fig. 15

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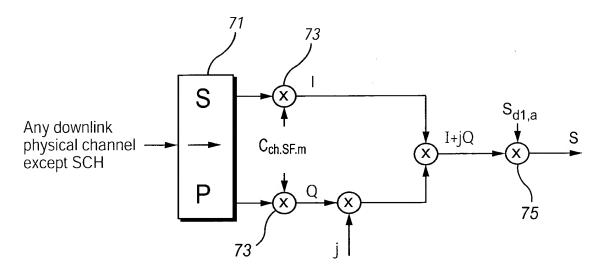
Transport channel multiplexing structure for downlink

Fig. 16

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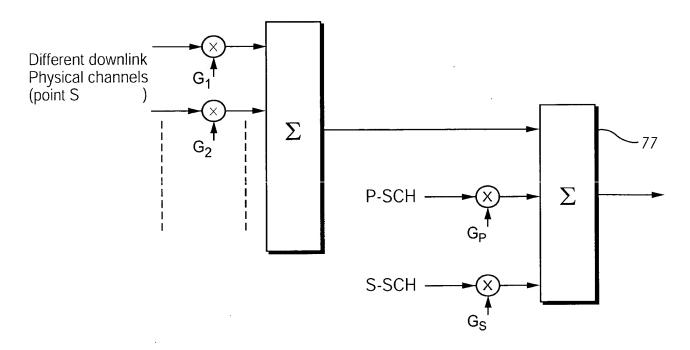


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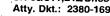
Spreading for all downlink physical channels except SCH

Fig. 17



Spreading and modulation for SCH and P-CCPCH

Fig. 18





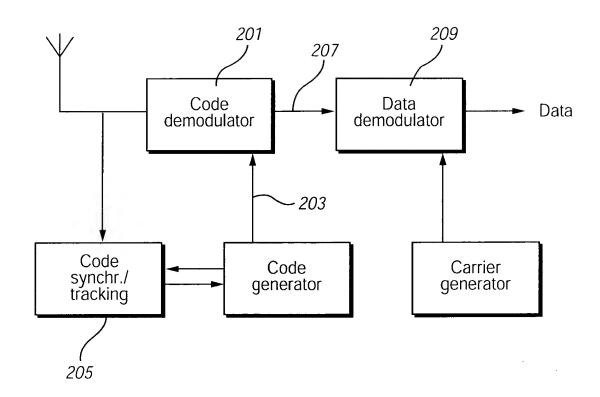


Fig. 19